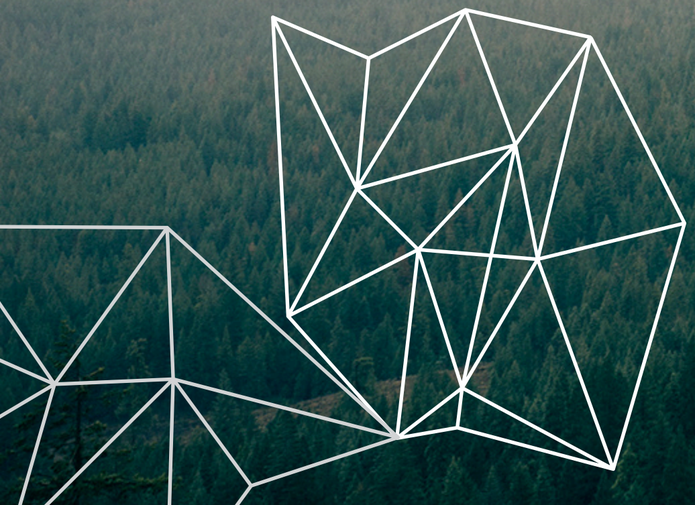
PROJECT ELYSIUM

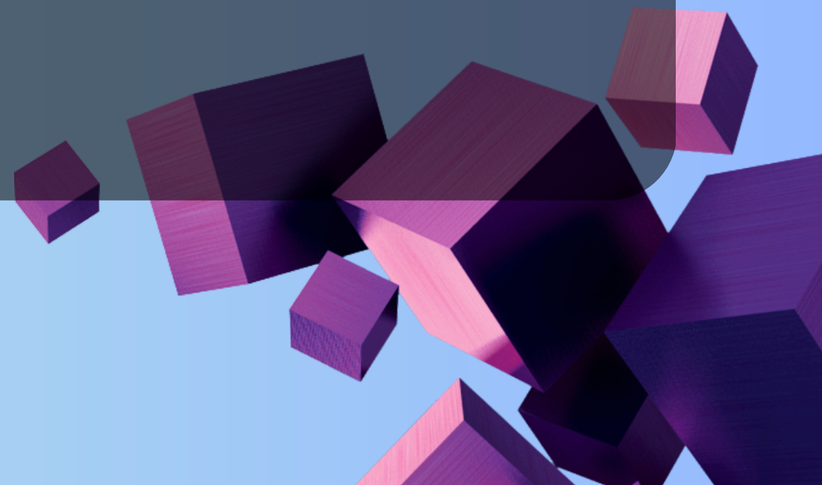
Your All-in-One Safety and Rescue Network

Presentated by:- **Phoenix Flames**



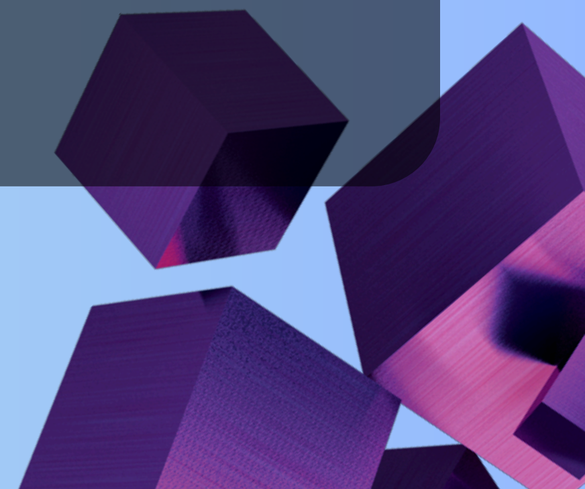
PROBLEM STATEMENT

Current emergency response systems are fragmented and inefficient, leading to delays in assistance and inadequate support for victims. Our project aims to revolutionize emergency response by creating an integrated system that connects victims, volunteers, agencies, and insurance providers. Leveraging advanced technology and community engagement, we provide instant alerts, reliable support, and efficient coordination. This ensures rapid, effective assistance in times of crisis, ultimately saving lives and minimizing damage.



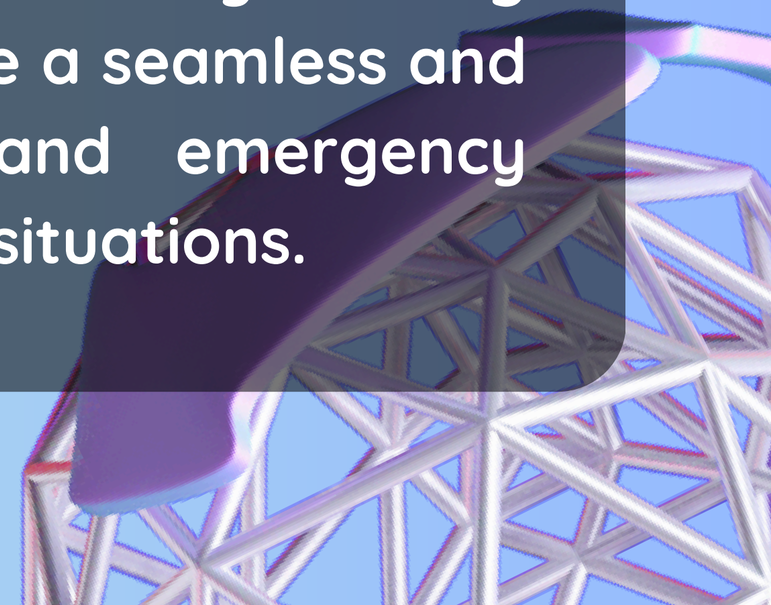
SOLUTION

Our project aims to revolutionize emergency response by creating a comprehensive, integrated system that connects victims, volunteers, agencies, and insurance providers. By leveraging advanced technology and community engagement, we strive to provide instant alerts, reliable support, and efficient coordination to ensure rapid and effective assistance in times of crisis.



ARGUS

Argus is an advanced SOS application designed to provide instant and reliable support during emergencies. With features like real-time collision detection, instant SOS alerts, and continuous video communication, Argus ensures rapid response and assistance for victims. The app also includes neighborhood safety data, automated emergency services notification, and an early warning system for natural disasters. Argus aims to create a seamless and integrated network of victims, volunteers, and emergency services, enhancing safety and efficiency in crisis situations.



FEATURES

- **Mobile Collision Detection :-**

  Uses smartphone cameras and sensors to detect collisions and accidents in real-time. The system analyzes the data to send instant alerts to emergency contacts and nearby volunteers for immediate assistance.

- **Instant SOS Alerts :-**

  Provides a one-tap emergency button that sends SOS alerts to local emergency services, pre-designated contacts, and volunteers. This feature ensures that help is dispatched quickly to the victim's precise location.

- **Neighborhood Safety Data :-**

  Aggregates and displays data on local safety conditions, including crime rates, fire hazards, and other risks. This information is useful for residents and real estate developers to make informed decisions.

- **Early Warning System** :-

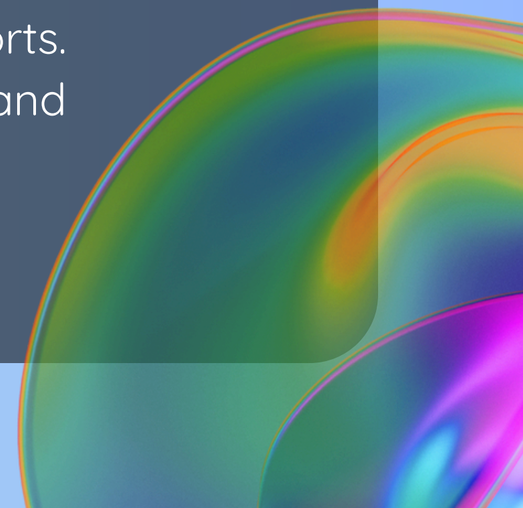
  Monitors environmental sensors and public data sources to provide early warnings for natural disasters like earthquakes, floods, and storms. Users receive alerts and instructions to stay safe during such events.

- **Volunteer Management System** :-

  Tracks and manages volunteer activities, certifications, and availability. It includes a leaderboard, recognition programs, and opportunities for volunteers to receive training and network with agencies.

- **Rescue Coordination Web App** :-

  A web application for agencies to track, monitor, and coordinate rescue efforts. Features include real-time location tracking, resource management, and communication tools for efficient response management.



9:41

Angus

9:41

Empowering Safety, Instantly

Wherever You Are

9:41

Join Us in Making a Difference!

Together, Impact Our Community

Become a Volunteer

Explore Your Services

9:41

Welcome Back

Sign in to acces your account

Valid email

Password

Remember me

Next

New Member? Register Now

9:41

Get Started

by creating a free account.

Valid email

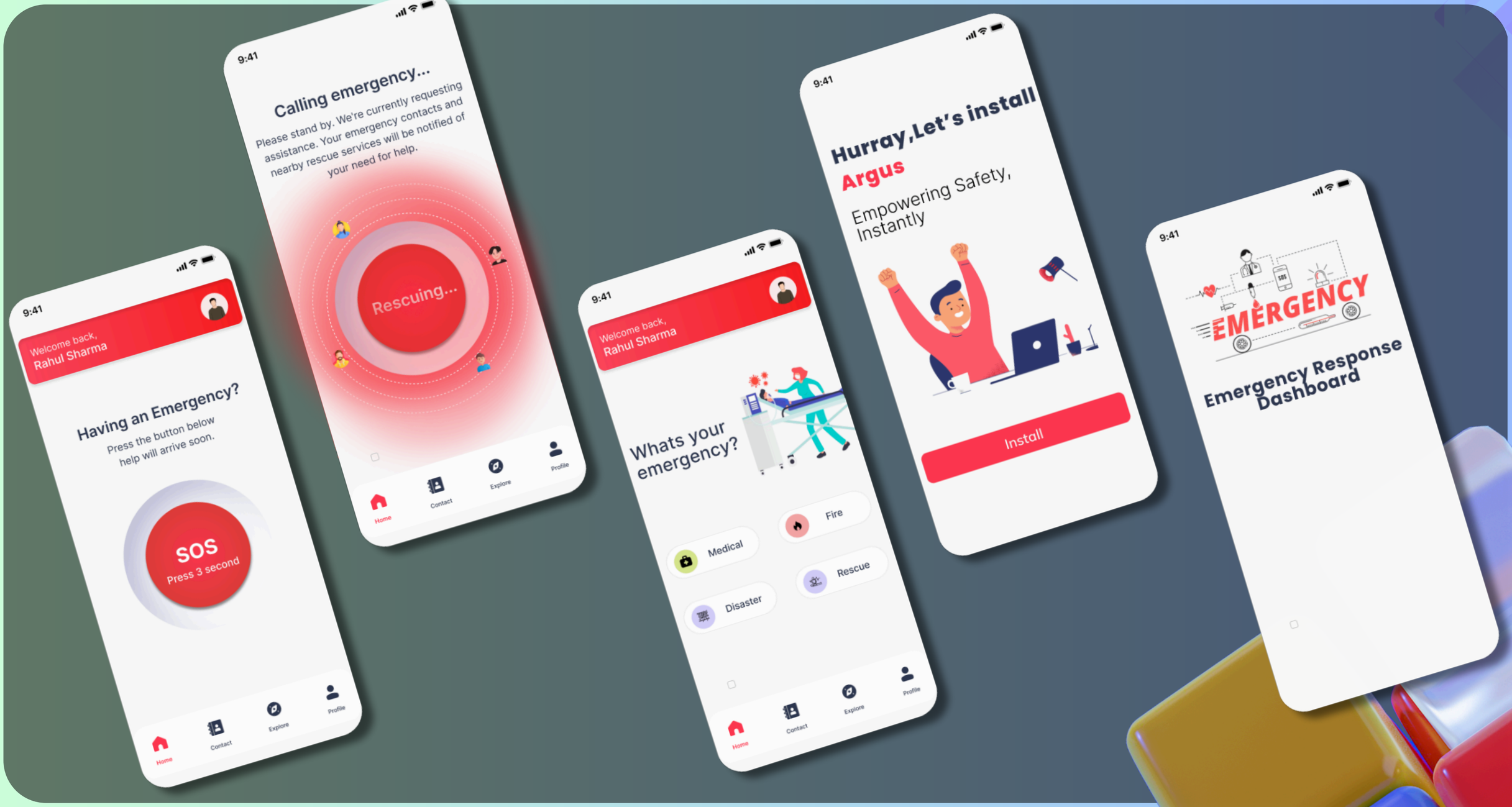
Phone number

Password

By checking the box you agree to our Terms and Conditions.

Next

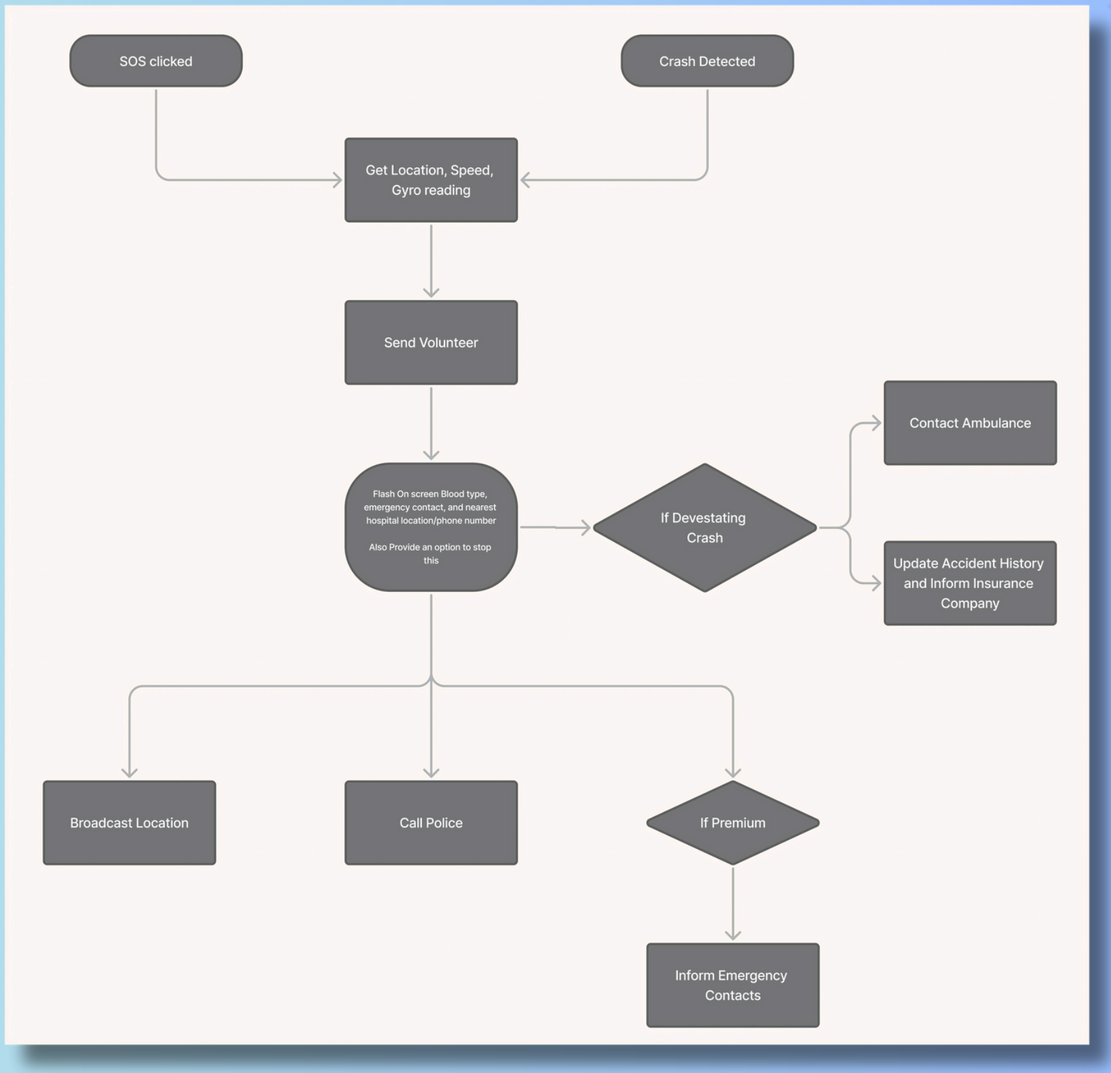
Already a member? Log In


9:41
Welcome back,
Rahul Sharma
Having an Emergency?
Press the button below
help will arrive soon.
SOS
Press 3 second
Home
Contact
Explore
Profile
9:41
Calling emergency...
Please stand by. We're currently requesting assistance. Your emergency contacts and nearby rescue services will be notified of your need for help.
Rescuing...
Home
Contact
Explore
Profile
9:41
Welcome back,
Rahul Sharma
Whats your emergency?
Medical
Fire
Rescue
Disaster
Home
Contact
Explore
Profile
9:41
Hurray,Let's install
Argus
Empowering Safety, Instantly
Install
9:41
EMERGENCY
Emergency Response Dashboard

PROJECT FLOWCHART

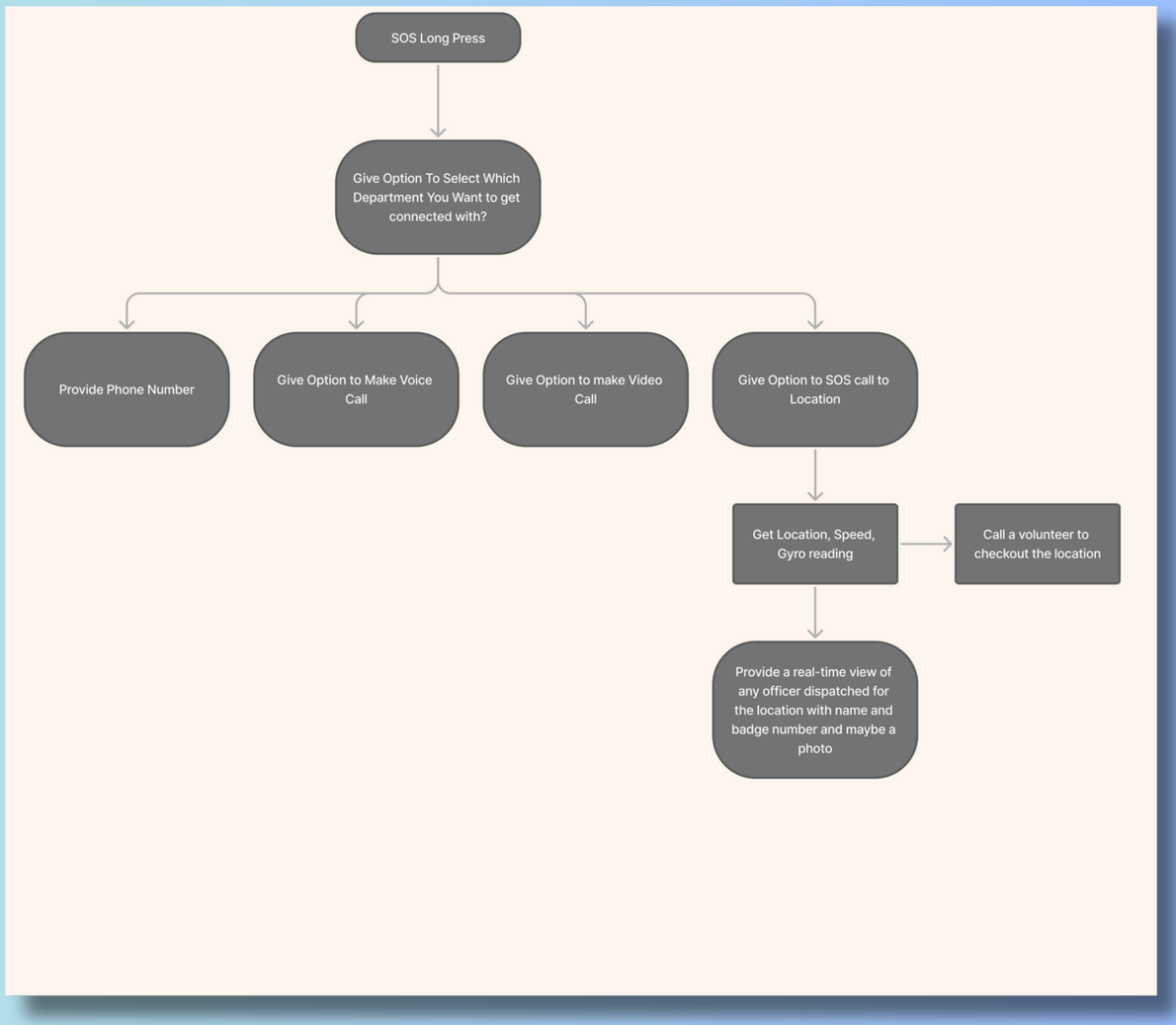
• SOS & CRASH DETECTION

This flowchart outlines the process of an emergency response system. When an SOS is clicked or a crash is detected, the system retrieves the location, speed, and gyro readings, and sends a volunteer. The screen flashes critical information like blood type and emergency contacts, with an option to stop the alert. For devastating crashes, the system contacts an ambulance and updates the accident history to inform the insurance company. If the user has a premium plan, emergency contacts are also notified. The location is broadcasted and the police are called as part of the response.



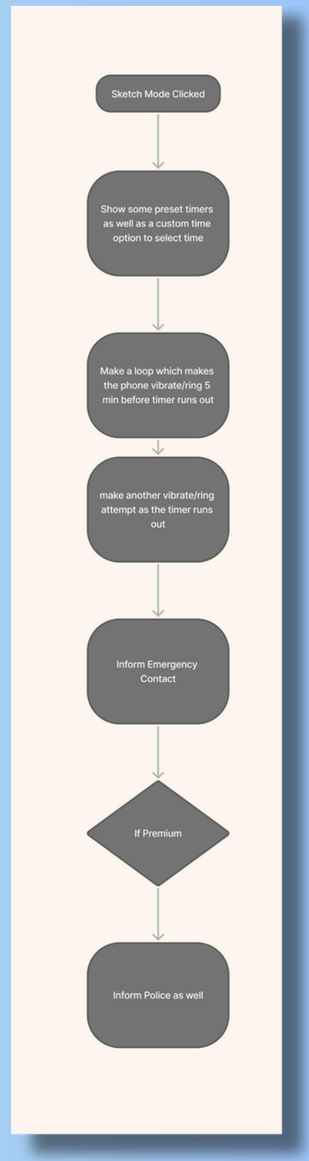
• SOS LONG PRESS

This flowchart describes an SOS click scenario. Upon activation, the user is prompted to select a department to connect with, offering options to provide a phone number, make a voice call, or a video call. Additionally, there's an option to send an SOS call to a location, which triggers the system to get the location, speed, and gyro readings, and dispatch a volunteer to check the location. The system also provides a real-time view of any dispatched officer with their name, badge number, and possibly a photo.



• SKETCH MODE

This flowchart outlines the process triggered by clicking "Sketch Mode." Upon activation, the user is shown preset timers and a custom time option. The system sets a loop to make the phone vibrate or ring 5 minutes before the timer ends, and again as the timer expires. When the timer runs out, the system informs the emergency contact. For premium users, the system also informs the police.



TECH-STACK

- **FRONTEND**

HTML CSS JAVASCRIPT JQUERY FIGMA

- **FRONTEND LIBRARIES**

AOS

ANIMATE ON SCROLL

GETSTYLES & Animation

TECH-STACK

- **BACKEND**

NODE js

EXPRESS JS

MONGO-DB

- **BACKEND LIBRARIES**

NODE MAILER

BCRYPT

ADDITIONAL INFO

PROJECT NAME :- “ELYSIUM”

It means a place or state of ideal happiness, or paradise.

FRONTEND NAME :- “KALPAVRIKSHA”

It signify branching in different rescue methodology.

BACKEND NAME :- “HELIOS”

It means overarching sight over everything like sun.

APP NAME :- “ARGUS”

Its a 100 eye giant signifying us watching and responding to every threat.


Thank
You